

FIG. I-I

Human Basic Fibroblast Growth Factor

10 20 30 40 50 60 70  
AATTGATGG TCTTTCTCTC CTTCCTTGG TAGACCACTT CAGCCTCTGT CCTTTAATTT TAAAGTTTAT  
80 90 100 110 120 130 140  
GCCGCCACTTG TACCCCTCTGT CTTCCTTGGTGA TTTAGAGATT TTCAAAGCCT CCTCTGACAC AGACTCTTCC  
150 160 170 180 190 200 210  
TTGGATTGCA ACTTCTCTAC TTTGGGGTGG AAACGGCTTC TCCGTTTGA AACGCTACCG CGGAAAAAAT  
220 230 240 250 260 270 280  
GGGGGAGAAA GTTGAGTTA AACTTTAAA ATTTGAGTCG CGGCTGTTG CGCACGAAA GGGGGGGAGT  
290 300 310 320 330 340 350  
CGGGGAGAAA CCTAAATTTG GTTGGGTTG TGGGGGGGT GGCTGGGTTT GATTTTGGG GATAAGGGG  
360 370 380 390 400 410 420  
GCTGGGAGCG CAGGCAATGC CAAASCCCTG CGGGGGCCCTC CGACCGCGCG CGGGGGGGCG TGGGTTTGG  
430 440 450 460 470 480 490  
CGGGGGCCCG ACTGAGGGCG CGCTCCCCCG CGGAGTGAWG TGCGGGGTTT GGTGTTTGTG CGGGAAAGCG  
500 510 520 530 540 550 560  
CGGAACTCG AGGGGGGGCG CAGAAAACCG GAGCGAGTAG CGGGGGGGCG GCAGGAGCG CGAGAACCTGG  
570 580 590 600 610 620 630  
GGGGGGGGCGA GGTTGGGGGG TGTGGGGGGT CGAGATGTAG AAGATGTAG CGGGGGGGCG CGGGGGGGCG  
640 650 660 670 680 690 700  
AGATTAGCGG ACGGCTCGCC CGGGTTGCAA CGGATCCCC CGGGCTGCGAG CTGGGGAGGT CGCTCTCCCG  
710 720 730 740 750 760 770  
AGGGGGGGTC CGGGGAGACA CCCATCTGTG AACCCCCAGGT CGGGGGGGCG CGGCTCGCCG CGCACCAAGCG  
780 790 800 810 820 830 840  
GCCGGGGGAT AGAAAGAGGG CGGAGCGGCG CGAGGCTGGG GAACGGCGCG CGTGGCCCG CGCTGCGGG  
850 860 870 880 890 900 910  
CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG  
920 930 940 950 960  
CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG  
964 969 974 979 984 989 994  
CGG AGC ATC ATG ACG CTC CTC CGC TTS CGG GAG DAT CGT CGG AGC CGG CGG CCT TTG CTC  
Gly Ser Ile Val Phe Leu Arg Lys Leu Pro Glu Asp Gly Asp Gly Ser Gly Ala Phe Phe  
Ile Val Phe Leu Arg Lys Leu Pro Glu Asp Gly Asp Gly Asp Gly Phe Phe Lys  
1004 1014 1024 1034 1044 1054 1064  
CGG CGT CAC TTG AAG GAC CGC AAG CGG CTC TAC TGC AAA AAC GGG CGG TGC TTC CTC  
Phe Cys Gln Tyr Arg Gln Gac CGC Aag Cgt Ttc Taa Ttc Aat Ggg Cgg Tgc Ttc Ctc  
Phe Cys Gln Tyr Arg Lys Lys Tyr Cys Lys Asn Gly Gly Phe Phe Lys

FIG. 1-2

1104 1119 1134 1149  
CGC ATC CAC CCC GAC CGC CGA GTT GAC GGG GTC CGG GAG AAG AGC GAC CCT CAC ATC  
Arg Ile His Pro Asp Gly Arg Val Asp Gly Val Arg Glu Lys Ser Asp Pro His Ile  
1164 1179 1194  
AAG CTA CAA CTT CAA GCA GAA GAG AGA GGA GTT GTG TCT ATC AAA GUA CTG TGT GCT  
Cys Leu Gln Leu Gln Ala Glu Glu Arg Gly Val Val Ser Ile Lys Gly Val Cys Ala  
1224 1239 1254  
AAC CCT TAC CTG GCT ATG AAG GAA GAT GGA AGA TTA CTG GCT TCT AAA TGT GTT ACG  
Asn Arg Tyr Leu Ala Met Lys Glu Asp Gly Arg Leu Leu Ala Ser Lys Cys Val Thr  
1269 1284 1299 1314  
GAT GAG TGT TTC TTT TTT GAA CGA TTG CAA TCT AAT AAC TAC AAT ACT TAC CGG TCA  
Asp Glu Cys Phe Phe Phe Glu Arg Leu Glu Ser Asn Asn Tyr Asn Thr Tyr Arg Ser  
1317 1344 1359 1374  
AGG AAA TAT ACC AAT TGC TAT GCA TTC AAA TCA AST CGG CAC TAT AAA ATT GGA  
Arg Lys Tyr Thr Ser Cys Tyr Val Ala Leu Cys Arg Thr Glu Tyr Lys Leu Glu  
1389 1404 1419 1434  
TCC AAA AGA GGA CCT CGG CAG AAA GCT ATA CTT CTT CCA ATG TCT GCT AAG AGC  
Ser Cys Thr Glu Pro Glu Gln Lys Ala Ile Leu Phe Leu Pro Met Ser Ala Lys Ser  
1450 1460 1470 1480 1490 1500  
TCA TTT CAATGGTAG ATCTAAACATG ATTTACATG AAACAAACAA TATATTTTA AATATTGTA  
1510 1520 1530 1540 1550 1560 1570  
ATCAGACTAA AGAAAATAAA ATGTGTATAG CTCAGTTGG ATAATGGTC AAACAATTT TTATCCAGTA  
1580 1590 1600 1610 1620 1630 1640  
CTAAATAATG TAACCATGGG CATTAAACAA AAATACAAA AGTTGAAAAA TSTATATTAT GCTTTTATA  
1650 1660 1670 1680 1690 1700 1710  
TTCATCTGC TGTTCACCGG TGAACCTTG STAGACCAAT GATCTTTTC ACCGATTGTC TTTATTCGA  
1720 1730 1740 1750 1760 1770 1780  
AAGAGCTTT TAATATCTGC ATGTTTAGAA AACAAAATTG CTTCATGGAA ATCATATACA TTAGAAATT  
1790 1800 1810 1820 1830 1840 1850  
AAGACTGATG ATTTATTTAA TGTAAATACTG TCACTTTATTG TTTATGAAAT TGTAAACTG TGTATTTG  
1860 1870 1880 1890 1900 1910 1920  
AGATATATAAA AGGCAAAATG ATTCATGGT GTTTACATAGTT TATATGTTT TGTGGAGTT ATGATGAA  
1930 1940 1950 1960 1970  
AGCTTATAAA AGACTGTTG ATAAATGCT CGAAGTTCTT CGGGAAATTG

**APPLICATION DATE:** JULY 9, 2001  
**TITLE:** HUMAN BASIC FIBROBLAST GROWTH FACTOR ANALOG  
**INVENTOR(S):** JOHN C. FIDDLES, ET AL.  
**APPLICATION SERIAL NO:** 09/902,460      **SHEET 3 of 8**

FIG. 2

### Human Acidic FGF

Comparison of amino acid sequence of  
human basic and acidic FGF

(basic/acidic)

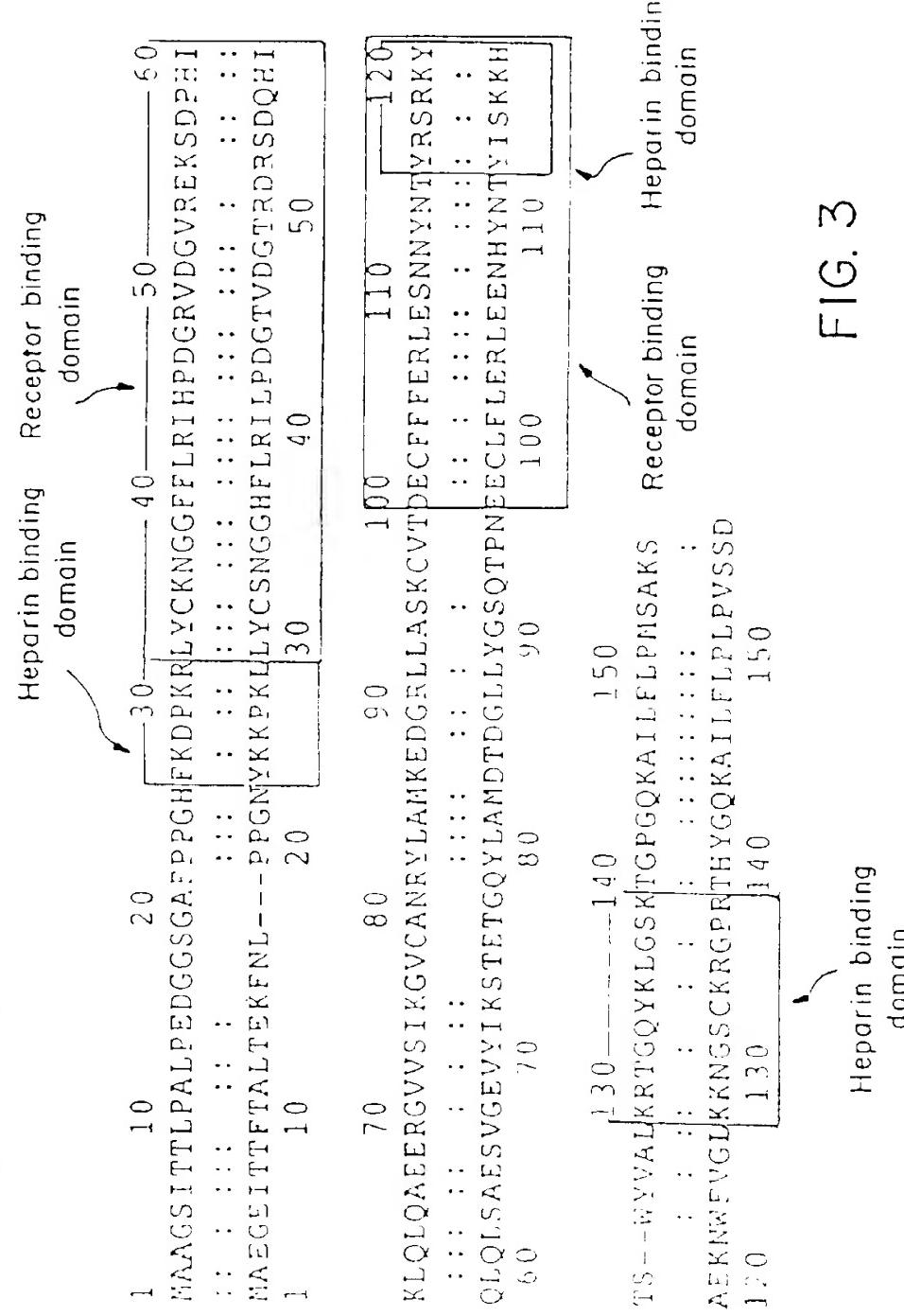


FIG. 3

“我就是想，如果我能够把我的全部时间都花在研究上，那该多好啊！”

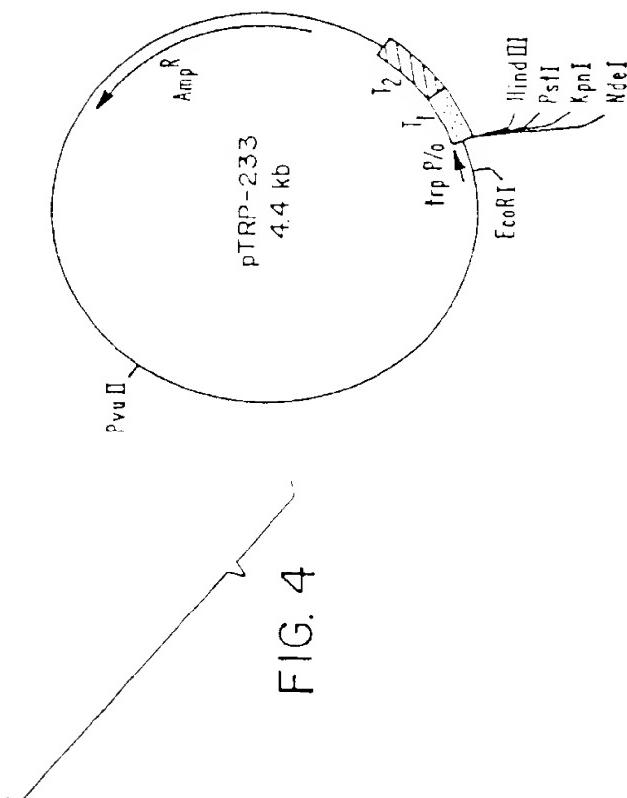
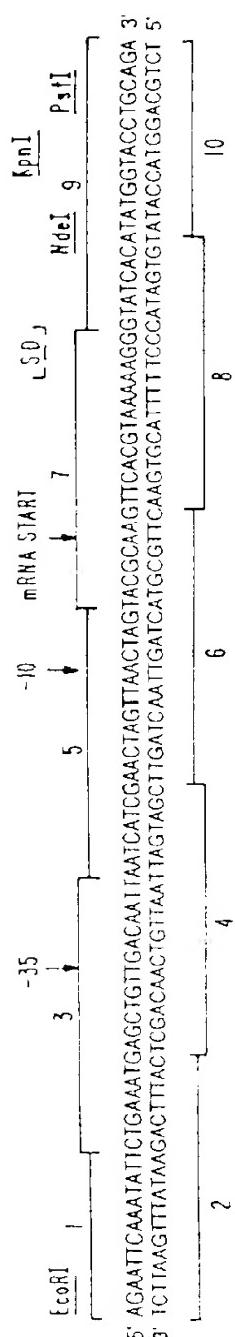


FIG. 4

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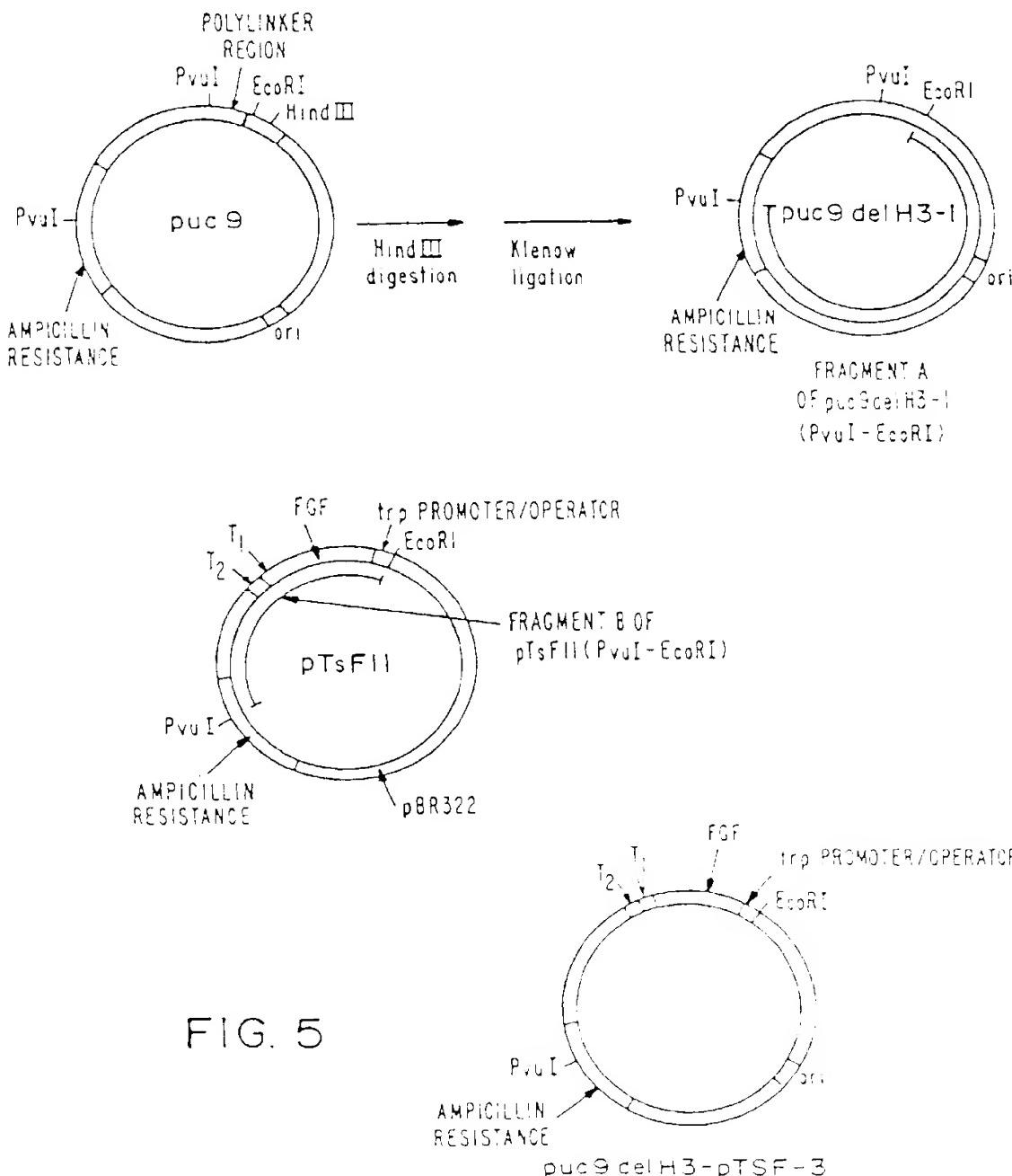


FIG. 5

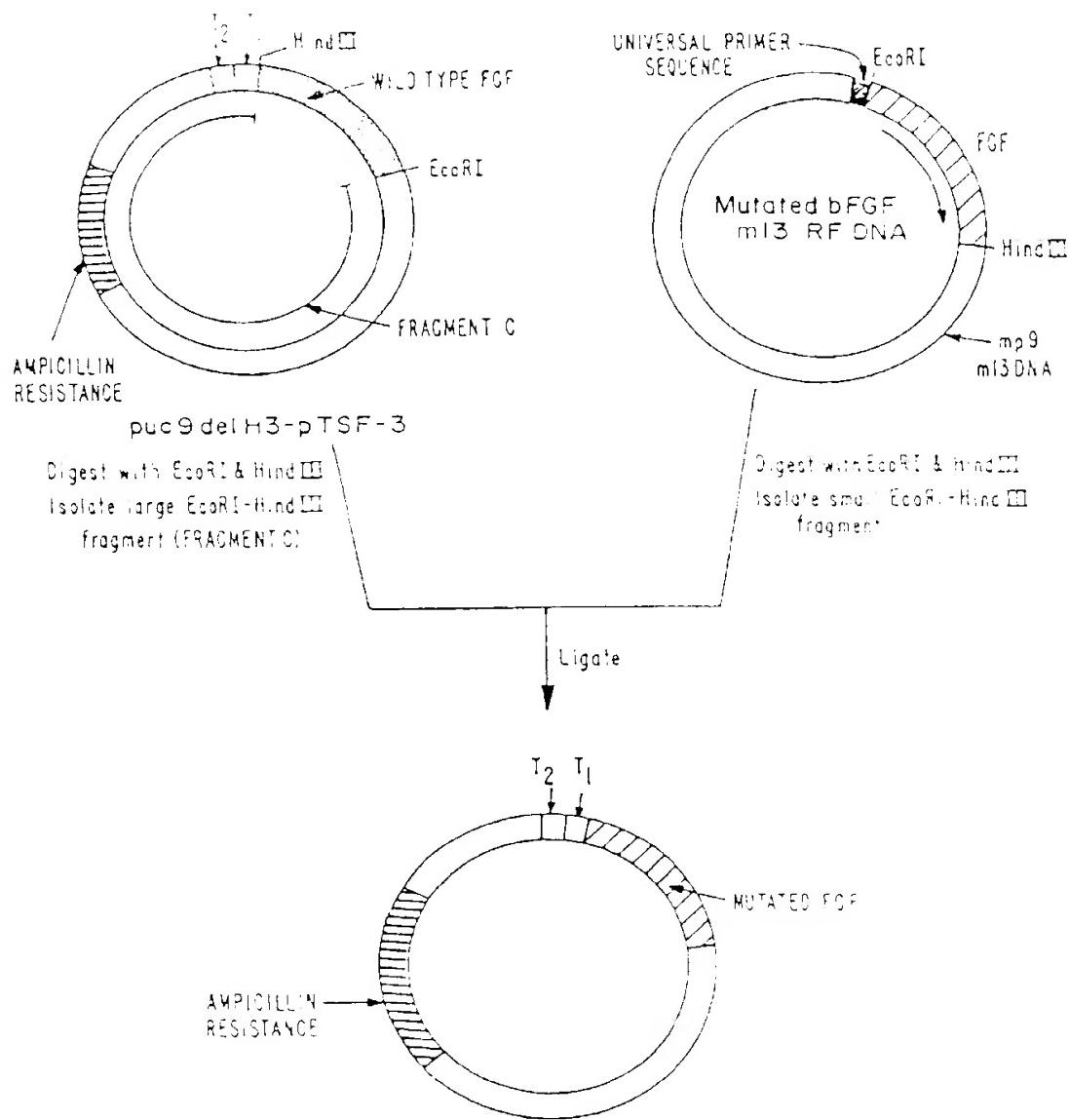


FIG. 6

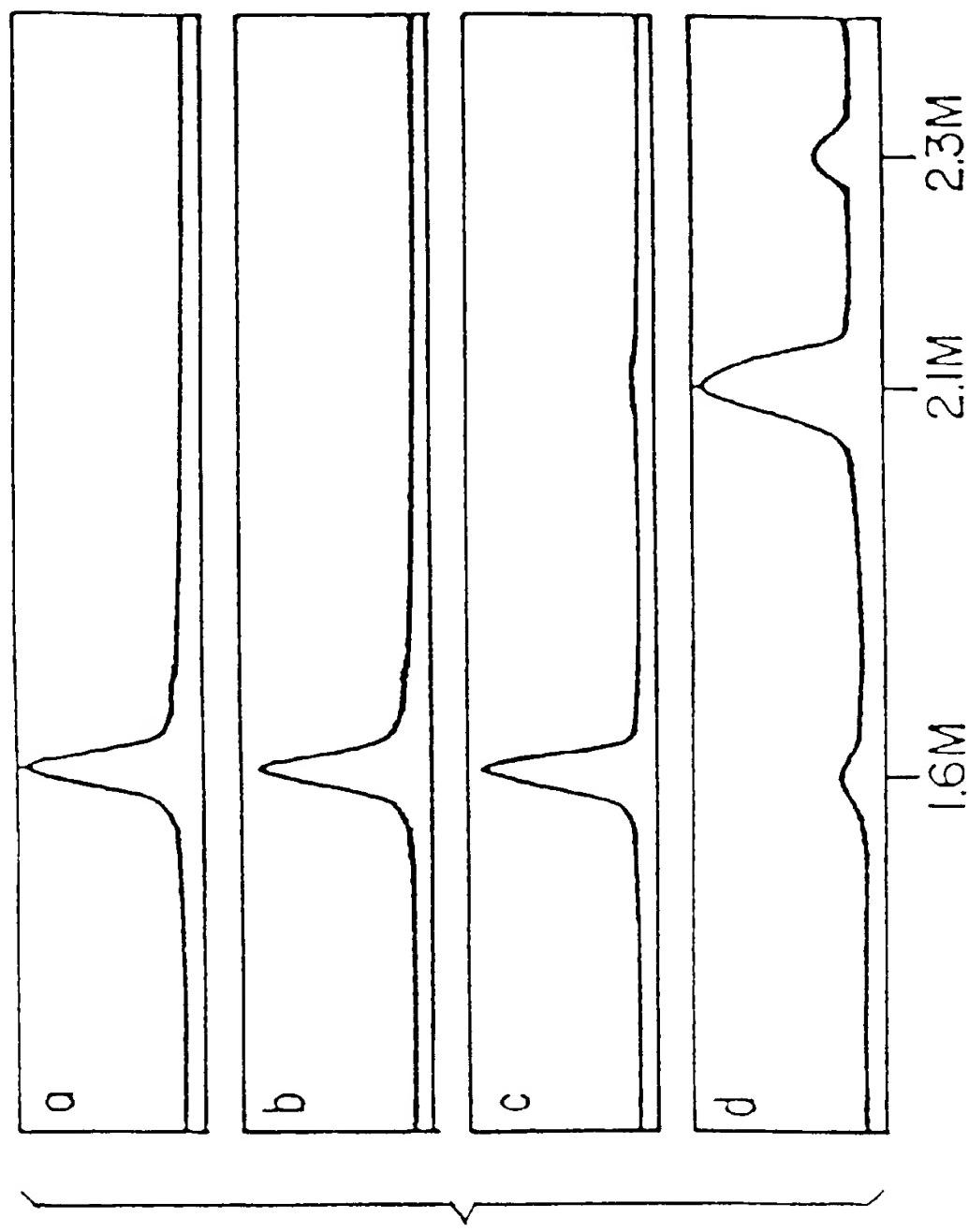


FIG. 7